

NWS Form E-5 (04-2006) (PRES. BY NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) San Angelo, TX
MONTHLY REPORT OF HYDROLOGIC CONDITIONS		REPORT FOR: MONTH YEAR May 2011
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		SIGNATURE Jason Johnson DATE June 24, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

X An X inside this box indicates that no flooding occurred within this hydrologic service area.

Drought conditions continued across the San Angelo hydrologic service area (HSA) during May. While a few rain showers occurred during the month, most of the HSA received below normal precipitation. The most notable rain showers occurred on the 11th of the month. An upper level disturbance approached the area and generated numerous thunderstorms from an unstable airmass and the dry line. Heavy rainfall was observed across eastern Runnels County and over Coleman, Brown, Concho, McCulloch, Mason and San Saba Counties. These areas received 1.5 to three inches of rain. In Brown County, thunderstorms produced very heavy rain and a couple of rain gages reported over two inches in one hour. The City of Brownwood Emergency Manager reported numerous road closures due to flooding and a couple of water rescues at low water crossings and underpasses.

The U.S. Drought Monitor showed exceptional drought conditions intensifying across southern portions of the HSA during May. By the end of the month, extreme to exceptional drought conditions covers all or portions of Crockett, Irion, Sterling, Sutton, Schleicher, Kimble, Coke, Tom Green, Menard, Mason, McCulloch, Mason, Nolan, Fisher, Jones, Shackelford, Haskell and Throckmorton Counties. These remaining counties were depicted as experiencing moderate to severe drought conditions.

The San Angelo Regional Airport received 1.36 inches of rain during May, which was 1.73 inches below normal for the month. The monthly normal rainfall for San Angelo in May is 3.09 inches.

The Abilene Regional Airport received 1.11 inches of precipitation during May, which was 1.72 inches below normal for the month. The monthly normal rainfall for Abilene in May is 2.83 inches.

Junction received 0.78 of an inch of rain during May. The estimated average monthly rainfall in May is about 3.25 to 3.50 inches.

Reservoir Conditions (end of May, 2011)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	54,130	77
Lake Stamford	52,700	41,200	80
Hubbard Creek Lake	317,800	181,220	57
Hords Creek Lake	8,800	2,520	31
Lake Brownwood	131,428	70,360	54
E.V. Spence	488,760	7,090	1
O.C. Fisher	119,200	1,190	1
O.H. Ivie	554,340	149,800	27
Twin Buttes	177,800	26,040	15

Hydro Products Issued

FFW = 2

FFS = 4

FLS = 7 (Urban/Small Stream Advisory)

ESF = 2 (Probabilistic Forecasts)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for May across the San Angelo HSA is depicted below.

